L Number	Hits	Search Text	DB	Time stamp
1	43	((549/30).CCLS.) and oxathiolan?	USPAT; US-PGPUB	2004/03/30 10:05

use in agriculture. Humburg, Gerhard; Willms, Lothar; Mildenberger, Hilmar; Bauer, Klaus; Bieringer, Hermann; Buerstell, Helmut (Hoechst A.-G., Fed. Rep. Ger.). Eur. Pat. Appl. EP 98569 A2 19840118, 72 pp. DESIGNATED STATES: R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE. (German). CODEN: EPXXDW. APPLICATION: EP 1983-106513 19830704. PRIORITY: DE 1982-3225471 19820708; DE 1982-3247616 19821223.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 98569	A2	19840118	EP 1983-106513	19830704
	EP 98569	A3	19841219		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	DE 3225471	A1	19840112	DE 1982-3225471	19820708
	DE 3247616	A1	19840705	DE 1982-3247616	19821223

=>
=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:.
STN INTERNATIONAL LOGOFF AT 11:02:44 ON 30 MAR 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1611txm

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * *

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   SEP 09 CA/CAplus records now contain indexing from 1907 to the
                 present
NEWS 4   DEC 08 INPADOC: Legal Status data reloaded
NEWS 5   SEP 29 DISSABS now available on STN
NEWS 6   OCT 10 PCTFULL: Two new display fields added
NEWS 7   OCT 21 BIOSIS file reloaded and enhanced
NEWS 8   OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9   NOV 24 MSDS-CCOHS file reloaded
NEWS 10   DEC 08 CABA reloaded with left truncation
NEWS 11   DEC 08 IMS file names changed
NEWS 12   DEC 09 Experimental property data collected by CAS now available
                 in REGISTRY
NEWS 13   DEC 09 STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14   DEC 17 DGENE: Two new display fields added
NEWS 15   DEC 18 BIOTECHNO no longer updated
NEWS 16   DEC 19 CROPU no longer updated; subscriber discount no longer
                 available
NEWS 17   DEC 22 Additional INPI reactions and pre-1907 documents added to CAS
                 databases
NEWS 18   DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19   DEC 22 ABI-INFORM now available on STN
NEWS 20   JAN 27 Source of Registration (SR) information in REGISTRY updated
                 and searchable
NEWS 21   JAN 27 A new search aid, the Company Name Thesaurus, available in
                 CA/CAplus
NEWS 22   FEB 05 German (DE) application and patent publication number format
                 changes
NEWS 23   MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 24   MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 25   MAR 03 FRANCEPAT now available on STN
NEWS 26   MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 27   MAR 29 WPIFV now available on STN
NEWS 28   MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 29   MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS   MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
NEWS PHONE   Direct Dial and Telecommunication Network Access to STN

NEWS WWW   CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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    agreement. Please note that this agreement limits use to scientific
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    of commercial gateways or other similar uses is prohibited and may
    result in loss of user privileges and other penalties.

    * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:57:49 ON 30 MAR 2004

=> ile reg
ILE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file reg
FILE 'REGISTRY' ENTERED AT 10:57:58 ON 30 MAR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 MAR 2004   HIGHEST RN 668968-88-5
DICTIONARY FILE UPDATES: 29 MAR 2004   HIGHEST RN 668968-88-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

    Please note that search-term pricing does apply when
    conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> s 1,3-oxathiolane/cn
L1   1 1,3-OXATHIOLANE/CN

=> d rsd

L1   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C3OS	OCSC2	5	C3OS	16.390.1	1

```
=> s (C4H8O3S OR C6H10O3S)/mf
        129 C4H8O3S/MF
        288 C6H10O3S/MF
L2      417 (C4H8O3S OR C6H10O3S)/MF

=> s l2 and 16.390/rid
       6489 16.390/RID
L3       22 L2 AND 16.390/RID

=> d scan
```
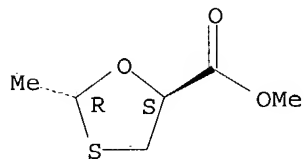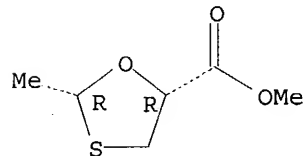
```
L3   22 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, (2R-trans)-
     (9CI)
MF   C6 H10 O3 S
```

Absolute stereochemistry.
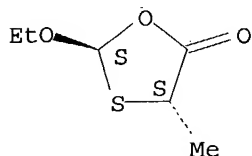

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```
=> s l3 and 2
   16472253 2
L4        21 L3 AND 2

=> d scan
```

```
L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, (2R-cis)-
     (9CI)
MF   C6 H10 O3 S
```

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

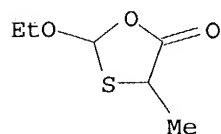HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolan-5-one, 2-ethoxy-4-methyl-, trans- (9CI)
MF   C6 H10 O3 S

Relative stereochemistry.

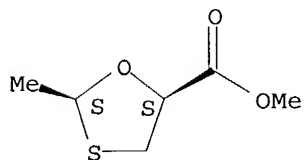**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolan-5-one, 2-ethoxy-4-methyl- (9CI)
MF   C6 H10 O3 S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, (2S-cis)-
      (9CI)
MF   C6 H10 O3 S

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
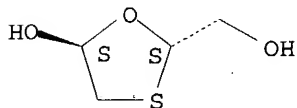
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

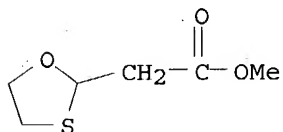L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN

Page 4

IN   1,3-Oxathiolane-2-methanol, 5-hydroxy-, (2R,5R)-rel- (9CI)
MF   C4 H8 O3 S

Relative stereochemistry.

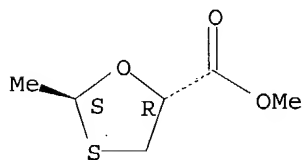**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolane-2-acetic acid, methyl ester (9CI)
MF   C6 H10 O3 S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester, trans-
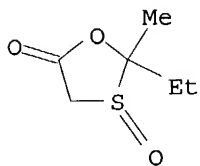   (9CI)
MF   C6 H10 O3 S

Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

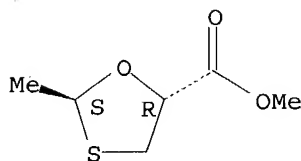HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolan-5-one, 2-ethyl-2-methyl-, 3-oxide (9CI)
MF   C6 H10 O3 S

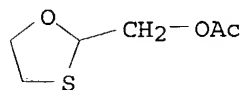**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolane-5-carboxylic acid, 2-methyl-, methyl ester,
      (2S-trans)- (9CI)
MF   C6 H10 O3 S

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4   21 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   1,3-Oxathiolane-2-methanol, acetate (9CI)
MF   C6 H10 O3 S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 14 not methyl/cns
       6569941 METHYL/CNS
L5   6 L4 NOT METHYL/CNS

=> d 1-6 ide cbib pi

L5   ANSWER 1 OF 6 REGISTRY   COPYRIGHT 2004 ACS on STN
RN   358349-02-7 REGISTRY
CN   1,3-Oxathiolane-2-methanol, 5-hydroxy-, (2R,5R)-rel- (9CI)   (CA
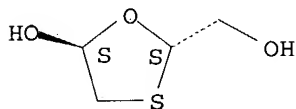   INDEX NAME)

FS   STEREOSEARCH
MF   **C4 H8 O3 S**
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL

Relative stereochemistry.

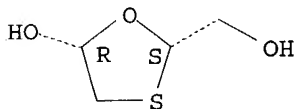**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:   135:211232   Preparation of substituted-1,3-oxathiolane and
     substituted-1,3-dioxolane nucleosides with antiviral properties. Belleau,
     Bernard; Belleau, Pierette; Nguyen-ba, Nghe (Can.). U.S. Pat. Appl. Publ.
     US 20010020026 A1 20010906, 43 pp., Cont.-in-part of U.S. Ser. No.
     306,830. (English). CODEN: USXXCO. APPLICATION: US 1998-172848
     19981015. PRIORITY: US 1990-564160 19900807; US 1994-306830 19940915.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2001020026	A1	20010906	US 1998-172848	19981015
US 6350753	B1	20020226	US 1998-163374	19980930
US 2003087918	A1	20030508	US 2002-73116	20020212

L5   ANSWER 2 OF 6   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   358349-01-6   REGISTRY
CN   **1,3-Oxathiolane-2-methanol, 5-hydroxy-, (2R,5S)-rel- (9CI)**   (CA
      INDEX NAME)
FS   STEREOSEARCH
MF   **C4 H8 O3 S**
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL
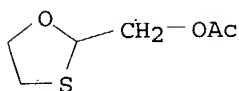
Relative stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:   135:211232   Preparation of substituted-1,3-oxathiolane and
     substituted-1,3-dioxolane nucleosides with antiviral properties. Belleau,
     Bernard; Belleau, Pierette; Nguyen-ba, Nghe (Can.). U.S. Pat. Appl. Publ.
     US 20010020026 A1 20010906, 43 pp., Cont.-in-part of U.S. Ser. No.
     306,830. (English). CODEN: USXXCO. APPLICATION: US 1998-172848
     19981015. PRIORITY: US 1990-564160 19900807; US 1994-306830 19940915.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	---------------	----	--------	---------------	--------
PI	US 2001020026	A1	20010906	US 1998-172848	19981015
	US 6350753	B1	20020226	US 1998-163374	19980930
	US 2003087918	A1	20030508	US 2002-73116	20020212

```
L5   ANSWER 3 OF 6  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   171284-72-3  REGISTRY
CN   1,3-Oxathiolane-2-methanol, acetate (9CI)   (CA INDEX NAME)
FS   3D CONCORD
MF   C6 H10 O3 S
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT
```



```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE  1:  124:30223  Synthesis of 1,3-oxathiolane derivatives as novel
    precursors of 2',3'-dideoxy-3'-oxa-4'-thioribonucleosides.  Nokami, Junzo;
    Ryokume, Kazuyo; Inada, Junya (Fac. Eng., Okayama univ. Sci., Okayama,
    700, Japan).  Tetrahedron Letters, 36(34), 6099-100 (English) 1995.
    CODEN: TELEAY.  ISSN: 0040-4039.  Publisher: Elsevier.

L5   ANSWER 4 OF 6  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   106584-26-3  REGISTRY
CN   1,3-Oxathiolane-2-ethanol, formate (9CI)   (CA INDEX NAME)
FS   3D CONCORD
MF   C6 H10 O3 S
SR   CA
LC   STN Files:   BEILSTEIN*, CA, CAPLUS, CASREACT
        (*File contains numerically searchable property data)
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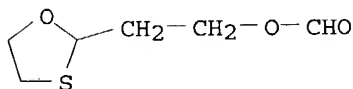


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE  1:  106:67168  Homolytic addition of 1,3-oxathiolanes to unsaturated
    hydrocarbons.  Vikolaeva, S. V.; Zorin, V. V.; Zlotskii, S. S.;
    Rakhmankulov, D. L. (Ufimsk. Neft. Inst., Ufa, 450062, USSR).  Khimiya
    Geterotsiklicheskikh Soedinenii (2), 259-63 (Russian) 1986.  CODEN:
    KGSSAQ.  ISSN: 0453-8234.

L5   ANSWER 5 OF 6  REGISTRY  COPYRIGHT 2004 ACS on STN
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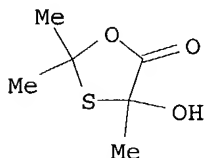
RN   99223-51-5   REGISTRY
CN   **1,3-Oxathiolan-5-one, 4-hydroxy-2,2,4-trimethyl- (9CI)**   (CA
        INDEX NAME)
FS   3D CONCORD
MF   **C6 H10 O3 S**
SR   CA
LC   STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
        (*File contains numerically searchable property data)
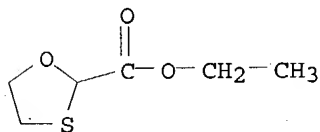

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

            1 REFERENCES IN FILE CA (1907 TO DATE)
            1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1:   103:215233 A brief survey of the use of the Pummerer
      rearrangement for the alkylation of 1,3-oxathiolan-5-ones and
      1,3-thiazolidin-4-ones. McIntosh, John M.; Leavitt, Randy K. (Dep. Chem.,
      Univ. Windsor, Windsor, ON, N9B 3P4, Can.). Canadian Journal of
      Chemistry, 63(12), 3313-16 (English) 1985. CODEN: CJCHAG. ISSN:
      0008-4042.

L5   ANSWER 6 OF 6   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   90392-04-4   REGISTRY
CN   **1,3-Oxathiolane-2-carboxylic acid, ethyl ester (9CI)**   (CA INDEX
        NAME)
FS   3D CONCORD
MF   **C6 H10 O3 S**
LC   STN Files: CA, CAPLUS, CASREACT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

            2 REFERENCES IN FILE CA (1907 TO DATE)
            2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1:   129:108698 Synthesis of sterically hindered esters via titanium
      catalyzed transesterification. Krasik, Pavel (BioChem Therapeutic Inc.,
      Laval, QC, H4V 4A7, Can.). Tetrahedron Letters, 39(24), 4223-4226
      (English) 1998. CODEN: TELEAY. ISSN: 0040-4039. Publisher: Elsevier
      Science Ltd..

REFERENCE 2:   101:7206 Heterocyclically substituted sulfonyl ureas, and their